

Title (en)
Instrument with installation-evident accessory modules

Title (de)
Instrument met sichtbaren zugehörmodulen

Title (fr)
Instrument pourvu d' accessoires modulaires visibles

Publication
EP 0947836 A3 20000315 (EN)

Application
EP 99301676 A 19990305

Priority
US 5280998 A 19980331

Abstract (en)
[origin: EP0947836A2] An electronic instrument with a housing defining a module chamber. An electronic module is removably retained within the chamber and includes indicia such as text or a distinctive color on a selected surface of the module. The housing has a window aperture into the chamber, so that the module indicia are visible through the window to permit identification of the presence and identity of the module, even when the instrument is powered off. The module may contain electronic circuitry that connects to electronic contacts of the instrument in the chamber.
<IMAGE>

IPC 1-7
G01R 1/04; **H05K 5/02**

IPC 8 full level
G01R 1/04 (2006.01); **H05K 5/02** (2006.01); **H05K 7/02** (2006.01); **G01R 15/12** (2006.01)

CPC (source: EP US)
G01R 1/04 (2013.01 - EP US); **H05K 5/0286** (2013.01 - EP US); **G01R 15/12** (2013.01 - EP US)

Citation (search report)
• [XY] US 4563575 A 19860107 - HOPPE JOACHIM [DE], et al
• [Y] US 4872139 A 19891003 - OKAMOTO KAZUHIKO [JP], et al
• [A] EP 0588453 A1 19940323 - SIEMENS AG [DE]
• [A] EP 0338371 A2 19891025 - WEG LEGRAND GMBH [DE]

Cited by
EP3024009A1; EP3109954A1; US9532473B2; WO0249406A3; WO2006021119A1

Designated contracting state (EPC)
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DOCDB simple family (application)
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